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## PATENT ABSTRACTS OF JAPAN

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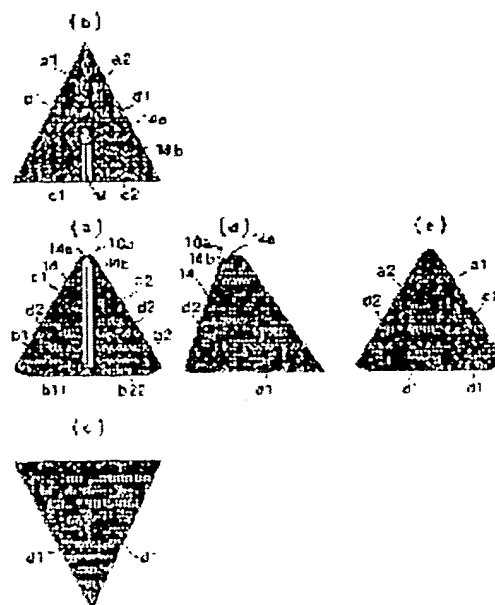
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## (54) HOUSING BODY FOR WASHING

## (57)Abstract:

**PURPOSE:** To provide a housing body for washing which is excellent in productivity and is easily crumpled in a washing tank and is excellent even if it is used as a housing body of soap powder or even if it is used as a housing body of a wash.

**CONSTITUTION:** A bag-shaped housing body composed of cloth having excellent water permeability is formed in an almost triangular pyramid shape by sewing a sheet of cloth cut out in a rectangular shape, and corner parts of the housing body are formed in a round shape by sewing or cutting. The length ratio of width to length of the cloth is set in about 1:2. The housing body is formed of the cloth which is excellent in water permeability and does not pass a grain of soap powder, and a fastener 14 to form a bag port of the housing body is arranged on a slant face. The fastener 14 is arranged in an opposing part of the mutual short sides c1 and c2 of the cloth.



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CLAIMS

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[Claim(s)]

[Claim 1] A receipt object for wash which water flow nature is the saccate receipt object which consists of good cloth, and is characterized by being formed in an abbreviation triangular pyramid configuration by carrying out sewing of the one cloth cut out by rectangle.

[Claim 2] A corner of said receipt object is a receipt object for wash according to claim 1 characterized by being formed round.

[Claim 3] A receipt object for wash characterized by cutting out said cloth so that it may be the saccate receipt object formed in an abbreviation triangular pyramid configuration when water flow nature carried out sewing of the one good cloth and a corner of this receipt object may be formed in a round shape.

[Claim 4] A ratio of the length of said cloth in every direction is a receipt object for wash according to claim 1, 2, or 3 characterized by being abbreviation 1:2.

[Claim 5] Said receipt object is a receipt object for wash given in any 1 term among claims 1-4 characterized by being formed by cloth with which water flow nature is good with cloth and does not let a grain of soap powder pass.

[Claim 6] It is a receipt object for wash given in any 1 term among claims 1-5 characterized by forming a fastener which forms a bag mouth of a receipt object in a slant face of said receipt object.

[Claim 7] Said fastener is a receipt object for wash given in any 1 term among claims 1-6 characterized by being prepared in an opposite portion of the shorter sides of said cloth.

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## DETAILED DESCRIPTION

## [Detailed Description of the Invention]

[0001]

[Industrial Application] This invention is used as a receipt object of soap powder, in order to prevent that the soap powder which has not melted adheres to the washing, or it relates to the receipt object for wash used as a receipt object of the washing. It is related with the receipt object for wash which is excellent in productivity especially.

[0002]

[Description of the Prior Art] Conventionally, various things are manufactured and the receipt object for wash is sold.

[0003] Drawing 8 is the perspective diagram showing the receipt object of the soap powder indicated by JP.4-125889.U, and sewing is carried out to telescopic | which consists of drum section 1a, covering device 1b, and pars-basilaris-ossis-occipitalis 1c ].

[0004] Drum section 1a cuts out in a rectangle the cloth with which water flow nature does not let the grain of soap powder pass well as shown in drawing 9, and covering device 1b and pars-basilaris-ossis-occipitalis 1c cut out the same cloth circularly, respectively.

[0005] 2 is the fastener which can be opened and closed and which was formed in a part for the inlet connection of drum section 1a and covering device 1b, and forms the bag mouth of a receipt object.

[0006] Such a receipt object for wash is used as follows. First, a fastener 2 is operated and the soap powder of an initial complement is put into an aperture and the receipt inside of the body for a bag mouth. Subsequently, a receipt object is fed into a washer for a bag mouth together with closing and the washing. If a receipt object is fed into a washer, the soap powder contained by the receipt object will melt into the water of laundry sink, and will be eluted in laundry sink. From this, it is prevented that soap powder adheres to the washing directly.

[0007] Moreover, some which were indicated by JP.64-43878.U and JP.60-21028.Y are one of those are used in order to contain and wash the washing as other receipt objects for wash.

[0008] The receipt object for wash indicated by JP.64-43878.U consists of bag bodys of the abbreviation rectangular-head drill configuration which can contain the washing by folding up the both ends of one mesh-like cloth cut out by the plane view abbreviation configuration for L characters inside, respectively, and carrying out sewing of each side which counters, respectively.

[0009] Moreover, the receipt object for wash indicated by JP.60-21028.Y prepares two cloth of the shape of a mesh judged by the plane view rhombus, and consists of bag bodys of the positive triangular pyramid configuration which can contain the washing by making each side of one cloth counter each side of the cloth of another side, respectively, and carrying out sewing of each sides.

[0010] These receipt objects for wash have the bag mouth for taking the washing in and out, on the occasion of an activity, from this bag mouth, contain the washing and feed it into a washer.

[0011]

[Problem(s) to be Solved by the Invention] It had the problem that each conventional receipt object for wash mentioned above had a troublesome raw layout activity, and it was inferior to productivity.

[0012] That is, covering device 1a and pars-basilaris-ossis-occipitalis 1c had become circular, and the receipt object of the soap powder indicated by JP.4-125889.U had a complicated decision. Moreover, this thing also had the problem that allowance-for-machining (portion shown with slash in drawing 9) A of the ground will be useless.

[0013] Moreover, the receipt object of the washing indicated by JP.64-43878.U had to take the ground in the abbreviation configuration for L characters, and was complicated. [ of the decision activity ]

[0014] Moreover, the receipt object of the washing indicated by JP.60-21028.Y was what must prepare the two grounds judged by the rhombus and time and effort requires.

[0015] With this, when creating these receipt objects for wash, they had to carry out sewing of many parts, and they also had the problem that sewing took time and effort.

[0016] On the other hand, since it was formed in telescopic, the receipt object of the soap powder indicated by JP.4-125889.U had the defect of being hard to be rubbed within laundry sink, and the contained soap powder could not untie it easily and it also had the problem that soapy water could not be easily eluted in laundry sink.

[0017] On the other hand, since the receipt object of the washing indicated by JP.64-43878.U and JP.60-21028.Y had become an abbreviation rectangular-head drill configuration and a positive triangular pyramid configuration, it has the advantage of being easy to be rubbed within laundry sink, but even if it is going to use these things as a receipt object of soap powder, since these receipt objects consist of mesh-like cloth, soap powder tends to leak through a mesh and they are not practical. Moreover, since there will be many sewing parts even if constituted using the raw material which does not let the grain of soap powder pass, soap powder tends to melt and remain in this portion.

[0018] Even if the object of this invention is easy to be rubbed within laundry sink, and it uses it as a receipt object of soap powder, and it uses as a receipt object of the washing, it is to offer the good receipt object for wash, while solving the trouble in the above conventional receipt objects for wash and excelling in productivity.

[0019]

[Means for Solving the Problem] In order to attain the above-mentioned object, water flow nature is the saccate receipt object which consists of good cloth, and a receipt object for wash according to claim 1 is characterized by being formed in an abbreviation triangular pyramid configuration by carrying out sewing of the one cloth cut out by rectangle.

[0020] A receipt object for wash according to claim 2 is characterized by forming a corner of said receipt object round in a receipt object for wash according to claim 1.

[0021] When water flow nature carries out sewing of the one good cloth, a receipt object for wash according to claim 3 is a saccate receipt object formed in an abbreviation triangular pyramid configuration, and it is characterized by cutting out said cloth so that a corner of this receipt object may be formed in a round shape.

[0022] A ratio of the length of said cloth in every direction is characterized by a receipt object for wash according to claim 4 being abbreviation 1:2 in a receipt object for wash according to claim 1, 2, or 3.

[0023] A receipt object for wash according to claim 5 is characterized by forming said receipt object in a receipt object for wash given in any 1 term by cloth which water flow nature is good and does not let a grain of soap powder pass among claims 1-4.

[0024] A receipt object for wash according to claim 6 is characterized by forming a fastener which forms a bag mouth of a receipt object in a slant face of said receipt object in a receipt object for wash given in any 1 term among claims 1-5.

[0025] A receipt object for wash according to claim 7 is characterized by being prepared in an opposite portion of the shorter sides of said cloth by said fastener in a receipt object for wash given in any 1 term among claims 1-6.

[0026]

[Function and Effect] Since a saccate receipt object is formed by carrying out sewing of the one cloth cut out by the rectangle according to the receipt object for wash according to claim 1, it is easy to do a raw layout activity, and the allowance for machining of the ground cannot become useless easily.

[0027] Therefore, according to this receipt object for wash, the advantage of excelling in productivity is acquired.

[0028] Moreover, since it is formed in the abbreviation triangular pyramid configuration, a saccate receipt object tends to receive resistance of the washing thrown in in the stream in laundry sink, or laundry sink, and is easy to be rubbed.

[0029] Therefore, when this receipt object for wash is used as a receipt object of the washing, the advantage that the washing is rubbed with a sufficient forge fire and washed good within a bag is acquired.

[0030] According to the receipt object for wash according to claim 2, since the corner of a receipt object is round formed in the receipt object for wash according to claim 1, when this receipt object for wash is used as a receipt object of the washing, the washing stops being able to enter into the corner of a receipt object easily, and a cleaning effect improves that it is easy to move the washing.

[0031] Since according to the receipt object for wash according to claim 3 cloth is cut out so that the corner in the saccate receipt object formed in the abbreviation triangular pyramid configuration may be formed in a round shape Although some futility arises in the allowance for machining at the time of decision, when this receipt object for wash is used as a receipt object of the washing, that it is hard to enter into the corner of a receipt object, it is hard to be caught, the washing becomes, and a cleaning effect improves that it is easy to move the washing.

[0032] According to the receipt object for wash according to claim 4, in the receipt object for wash according to claim 1, 2, or 3, since the ratio of the length of cloth in every direction is considered as abbreviation 1:2, it can acquire the receipt object of the abbreviation Shozo pyramid configuration near a positive triangular pyramid ideal as a receipt object.

[0033] Therefore, when this receipt object for wash is used as a receipt object of the washing, the advantage that the washing is rubbed with a sufficient forge fire and washed much more good within a bag is acquired.

[0034] Since the receipt object is formed by the cloth with which water flow nature is good with cloth and does not let the grain of soap powder pass in the receipt object for wash given in any 1 term among claims 1-4 according to the receipt object for wash according to claim 5, the following advantages are acquired when it combines with any 1 term among claims 1-4.

[0035] (i) When it combines with the receipt object for wash according to claim 1.

[0036] In this case, if the receipt object for wash acquired is used for the receipt object of soap powder, since it will be easy to receive resistance of the washing etc. and will be easy to be rubbed, the advantage that the soap powder contained by the receipt object melts well, and soapy water tends to be eluted in laundry sink is acquired. furthermore, preventing cuts that soap powder adheres to the washing which does not leak from a receipt object in laundry sink while soap powder has been a grain, and is thrown in in laundry sink.

[0037] On the other hand, if this receipt object for wash is used as a receipt object of the washing, in addition to the operation effect acquired with the receipt object for wash explained by the operation effect of above-mentioned claim 1, the advantage that it can prevent that the grain of soap powder trespasses upon the receipt inside of the body will be acquired.

[0038] Moreover, since the washing of the receipt inside of the body rubs with comparatively deep soapy water and it is washed when the soap powder of a small amount is put very much into the receipt inside of the body together with the washing, there is also a merit that the washing of the receipt inside of the body can be washed more effectively.

[0039] (ii) When it combines with the receipt object for wash according to claim 2.

[0040] In this case, if the receipt object for wash acquired is used for the receipt object of soap powder, soap powder cannot collect on a corner easily, and soap powder will melt into the receipt inside of the body, and it will be hard coming to remain. Therefore, wash water is obtained efficiently.

[0041] (iii) When it combines with the receipt object for wash according to claim 3.

[0042] In this case, since cloth is cut out so that the corner of a receipt object may be formed in a round shape if the receipt object for wash acquired is used for the receipt object of soap powder, it is lost that a corner is greatly turned up inside a receipt object and projects inside like [ at the time of combining with the receipt object for wash according to claim 2 ]. Therefore, soap powder stops being able to collect on a corner much more easily, and soap powder melts into the receipt inside of the body, it is hard coming to remain, and wash water is obtained much more efficiently.

[0043] (iv) When it combines with the receipt object for wash according to claim 4.

[0044] If this receipt object for wash is used for the receipt object of soap powder, since the receipt object serves as a configuration near an ideal positive triangular pyramid, in response to resistance of the washing etc., it is much more easy to be rubbed, and the advantage that the soap powder contained by the receipt object melts much more well, and soapy water tends to be eluted in laundry sink is acquired.

[0045] Since the fastener which forms the bag mouth of a receipt object in the receipt object for wash given in any 1 term is formed in the slant face of a receipt object among claims 1-5 according to the receipt object for wash according to claim 6, a fastener can be made to slide linearly on a slant face, and it is easy to perform switching operation of a fastener.

[0046] Moreover, since the slant face in which the fastener was formed, and the side which counters serve as reverse Yamagata, in case especially soap powder is put in, as a receipt object is wrapped in a hand, it can also be held from a lower part, and it is easy to do the

receipt activity of soap powder. Moreover, the soap powder contained by the receipt object is contained by the slant face in which the fastener was formed, and the deep part of the side which counters, and it is [ soap powder ] easy, and it cannot fall easily.

[0047] Among claims 1-6, in the receipt object for wash given in any 1 term, since the fastener is formed in the opposite portion of the shorter sides of cloth, while the receipt object for wash according to claim 7 carries out sewing of the opposite portion of shorter sides, it can constitute a bag mouth, and tends to create a receipt object. Moreover, a fastener will be arranged as a result on the slant face of a receipt object.

[0048]

[Example]

<1st example> drawing 1 is the mimetic diagram showing the 1st example of the receipt object for wash concerning this invention, and, for front view and (b), a plan and (c) are [ (a) / right lateral drawing and (e of a bottom plan view and (d)) ] rear view. Similarly drawing 2 is a development.

[0049] In these drawings, the receipt object for wash of this example is a saccate receipt object formed like for showing in each drawing of drawing 1 at the abbreviation Shozo pyramid configuration.

[0050] This receipt object for wash is formed in the abbreviation Shozo pyramid configuration as a whole by bending and carrying out sewing of the one cloth 10 cut out by the rectangle, as shown in drawing 2. Cloth 10 is cut out so that the ratio of length L1:L2 in every direction may be set to 1:2.

[0051] In addition, the dotted line in drawing 2 (signs d1 and d2) expresses the fold. Moreover, in this drawing, signs P1 and P1 show the soffit location of a fold, and by this example, they have made it the distance of L1/2 from both the right-and-left both-sides sections so that the receipt object of an abbreviation Shozo pyramid configuration may be formed. Moreover, the sign P2 shows the upper bed location of a fold, and it is made to have come to the center position of the lateral length L2.

[0052] In drawing 1, 14 is the fastener formed in the center of a slant face by the side of the transverse plane of a receipt object, and is sewn by the shorter side c1 of the cloth 10 bent at the transverse-plane side of a receipt object, and the opposite portion of c2 comrades. This fastener 14 constitutes the bag mouth of a receipt object. 14a is covering prepared in top 10a of a receipt object, and when a fastener 14 is closed, it covers tongue 14b of a fastener 14. This covering 14a is attached in top 10a together, when sewing a fastener 14 into the opposite portion of shorter sides c1 and c2.

[0053] Such a receipt object for wash can be created as follows.

[0054] First, the ratio of length in every direction cuts out the cloth 10 of the rectangle of 1:2 from the ground. In this case, when the ground is a thing equipped with the large size, as shown in drawing 4, it becomes possible to judge the ground without a crevice along with an alternate long and short dash line LL. Thus, when the ground is judged, two or more cloth 10 with a useless allowance for machining which is not can be obtained.

[0055] Next, along with the folds d1 and d1 shown by the drawing 2 middle point line, the valley chip box of the cloth 10 is carried out, and sew and carry out the top chord a1 and a2 comrades which will counter by having carried out the valley chip box -- sewing only of the part is bent and carried out inside. subsequently, sew and carry out the lower side b1 which will counter by carrying out the valley chip box of the cloth 10 along with the folds d2 and d2 shown by the drawing 2 middle point line, b1 comrades and the lower side b2, and b2 comrades -- sewing only of the part is bent and carried out inside.

[0056] And a fastener 14 and covering 14a are sewn together into the shorter side c1 of cloth 10, and the opposite portion of c2 comrades.

[0057] By this, the receipt object of the abbreviation Shozo pyramid configuration equipped with the bag mouth will be formed.

[0058] According to the receipt object for wash mentioned above, the following advantages are acquired.

[0059] (i) Since a saccate receipt object is formed by carrying out sewing of the one cloth 10 cut out by the rectangle, it is easy to do a raw layout activity, and the allowance for machining of the ground cannot become useless easily.

[0060] Therefore, according to this receipt object for wash, the advantage of excelling in productivity is acquired.

[0061] (ii) A saccate receipt object tends to receive resistance of the washing thrown in in the stream in laundry sink, or laundry sink since it is formed in the abbreviation Shozo pyramid configuration, and the advantage of being easy to be rubbed is acquired.

[0062] (iii) Since the ratio of the length of cloth 10 in every direction is considered as abbreviation 1:2, it can acquire the receipt object of the abbreviation Shozo pyramid configuration near a positive triangular pyramid ideal as a receipt object.

[0063] Therefore, in response to resistance of the washing thrown in in the stream in laundry sink, or laundry sink, it is much more easy to be rubbed.

[0064] (iv) Since the fastener 14 is formed in the shorter side c1 of cloth 10, and the opposite portion of c2 comrades, while it carries out sewing of a shorter side c1 and the opposite portion of c2 comrades, it can constitute a bag mouth, and tends to create a receipt object. Moreover, a fastener 14 will be arranged as a result on the slant face of a receipt object by preparing in a shorter side c1 and the opposite portion of c2 comrades in this way.

[0065] In addition, the length ratio of the cloth 10 mentioned above in every direction should just be the range which it does not necessarily have to be referred to as 1:2 at accuracy, and can form a receipt object in an abbreviation Shozo pyramid configuration or an abbreviation triangular pyramid configuration.

[0066] <2nd example> drawing 6 is the mimetic diagram showing the 2nd example of the receipt object for wash concerning this invention, and, for front view and (b), a plan and (c) are [ (a) / right lateral drawing and (e of a bottom plan view and (d)) ] rear view. Similarly drawing 7 is a development.

[0067] The place where this example differs from said example is in the point which made the round shape each corners 20, 21, 22, and 23 of the receipt object for wash.

[0068] In drawing 7, 30 is notching of the shape of an R for making corners 20-23 into a round shape, and is formed in the location corresponding to corners 20-23.

[0069] Since the corners 20-23 of a receipt object are formed [ according to such a receipt object for wash ] round in addition to the same operation effect as the 1st example mentioned above, although some futility arises in the allowance for machining at the time of decision, when it uses as a receipt object of soap powder so that it may mention later, or when it uses as a receipt object of the washing, a respectively characteristic effect is acquired.

[0070] In addition, in this example, although corners 20-23 were formed at the time of decision, it is also possible to form corners 20-23 by the option.

[0071] That is, in case sewing of the cloth 10 of the rectangle shown in the 1st example is carried out, a corner may be formed in a round

shape by carrying out sewing of the edge of each sides to the letter of a bow so that each corner may serve as a round shape.

[0072] Thus, since a corner projects inside a receipt object when a corner is formed in a round shape in the phase of sewing, a characteristic effect is acquired, when it uses as a receipt object of the washing so that it may mention later.

[0073] <3rd example> this example constitutes the receipt object for wash of a configuration of that the 1st or 2nd example of the above showed as a receipt object of soap powder.

[0074] The receipt object of the soap powder of this example is formed in the magnitude which is the degree which an ordinary adult can have single hand comparatively small.

[0075] The thing equipped with the property which the cloth which constitutes a receipt object has water flow nature, and does not let the grain of soap powder pass is used.

[0076] Cloth consists of facing 11 and 12 and medium material 13 which consists of a countless filament prepared among these facing 11 and 12, as shown in drawing 3. As such cloth, there is cloth of the shape of a network which consists of chemical fibers, such as nylon, and polyester or polypropylene.

[0077] According to this example, the following advantages are acquired.

[0078] (i) Since the configuration of a receipt object is formed in an abbreviation Shozo pyramid configuration, tends to receive resistance of the washing etc. and is easy to be rubbed, the advantage that the soap powder contained by the receipt object melts well, and soapy water tends to be eluted in laundry sink is acquired.

[0079] (ii) When the corner of a receipt object is formed round, soap powder cannot collect on a corner easily, and soap powder melts into the receipt inside of the body, and it is hard coming to remain. Therefore, soapy water is obtained efficiently.

[0080] Moreover, since what a corner is greatly turned up inside a receipt object like [ when forming the corner of a receipt object round in the phase of sewing, when the corner of a receipt object is round formed by cutting out cloth so that a corner may serve as a round shape ], and projects is lost, soap powder stops being able to collect on a corner much more easily, soap powder melts into the receipt inside of the body, and it is hard coming to remain. Therefore, wash water is obtained much more efficiently.

[0081] (iii) Since the receipt object serves as a configuration near an ideal positive triangular pyramid when the ratio of the length of cloth in every direction is set to 1:2, in response to resistance of the washing etc., it is easy to be rubbed, the soap powder contained by the receipt object melts much more well, and soapy water tends to be eluted in laundry sink.

[0082] (iv) Since the receipt object is constituted by the cloth equipped with the property which has water flow nature and does not let the grain of soap powder pass, it can prevent that soap powder adheres to the washing which does not leak from a receipt object in laundry sink while soap powder has been a grain, and is thrown in in laundry sink.

[0083] (v) Actuation of putting in soap powder by another hand becomes easy, having the receipt object which opened the fastener by one hand, since the receipt object is formed in the magnitude which is the degree which an ordinary adult can have single hand.

[0084] Therefore, it is easy to perform actuation at the time of putting in soap powder.

[0085] Moreover, since the slant face in which the fastener 14 was formed, and the side which counters serve as reverse Yamagata as shown in drawing 5, in case soap powder is put in, as a receipt object is wrapped in a hand, it can be held from a lower part, and it is easy to do the receipt activity of soap powder. Furthermore, the soap powder thrown into the receipt object is contained by the slant face in which the fastener 14 was formed, and the deep part 15 of the side which counters, and it is [ soap powder ] easy, and it cannot fall easily.

[0086] <4th example> this example constitutes the receipt object for wash of a configuration of that the 1st or 2nd example of the above showed as a receipt object of the washing.

[0087] The receipt object of the washing of this example is formed comparatively greatly (comparing with the receipt object of the 3rd example greatly).

[0088] The same cloth as what showed the cloth which constitutes a receipt object in the 3rd example is used.

[0089] According to this example, the following advantages are acquired.

[0090] (i) Since the configuration of a receipt object is [ that it is formed in an abbreviation Shozo pyramid configuration, and is easy to receive resistance of the washing etc. ] easy to be rubbed well [ a stream etc. ], the advantage that the washing is rubbed with a sufficient force fire and washed good within a bag is acquired.

[0091] (ii) When the corner of a receipt object is formed round, the washing stops being able to enter into the corner of a receipt object easily, and a cleaning effect improves that it is easy to move the washing.

[0092] Moreover, since it is lost that a corner is greatly turned up inside a receipt object and projects inside like [ when forming the corner of a receipt object round ] in the phase of sewing when the corner of a receipt object is round formed by cutting out cloth so that a corner may serve as a round shape, that it is hard to enter into the corner of a receipt object, it is hard to be caught, the washing becomes, and a cleaning effect improves further that it is easy to move the washing.

[0093] (iii) Since the receipt object is constituted by the cloth equipped with the property which has water flow nature and does not let the grain of soap powder pass, it can prevent that the grain of soap powder trespasses upon the receipt inside of the body.

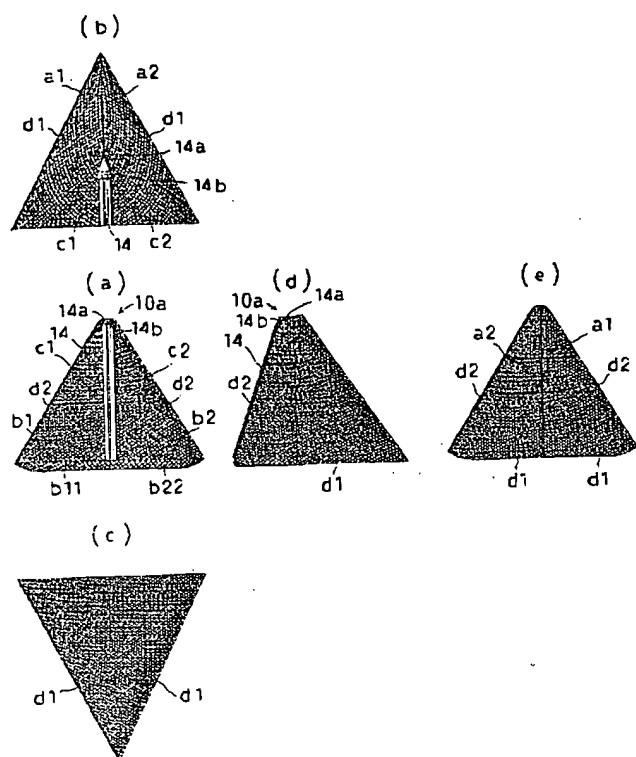
[0094] Moreover, since the washing of the receipt inside of the body rubs with comparatively deep soapy water and it is washed when the soap powder of a small amount is put very much into the receipt inside of the body together with the washing, there is also a merit that the washing contained by the receipt object can be washed more effectively.

[0095] As mentioned above, although the example of this invention was explained, this design is not limited to the above-mentioned example, and deformation implementation is possible for it suitably within the limits of the summary of this design.

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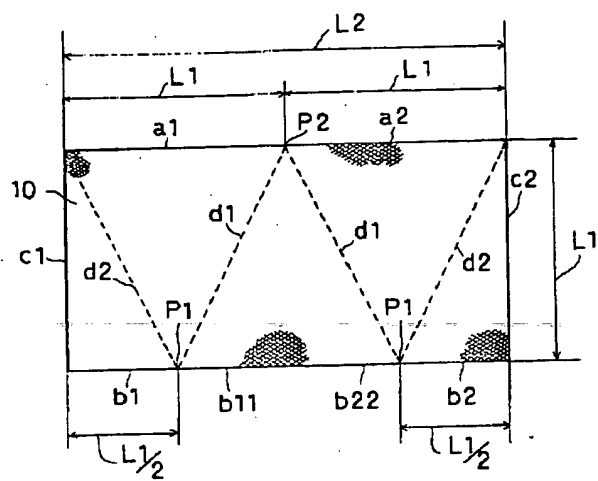


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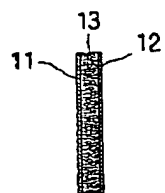
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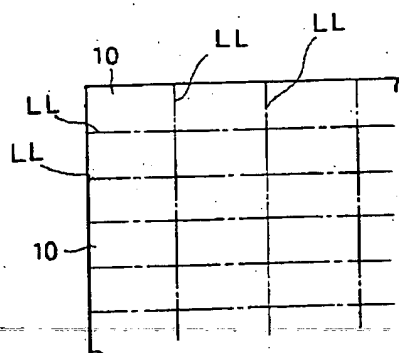
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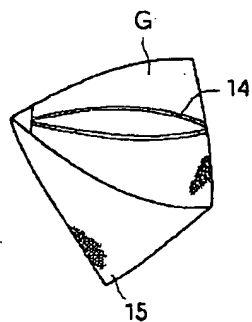
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Drawing selection drawing 5

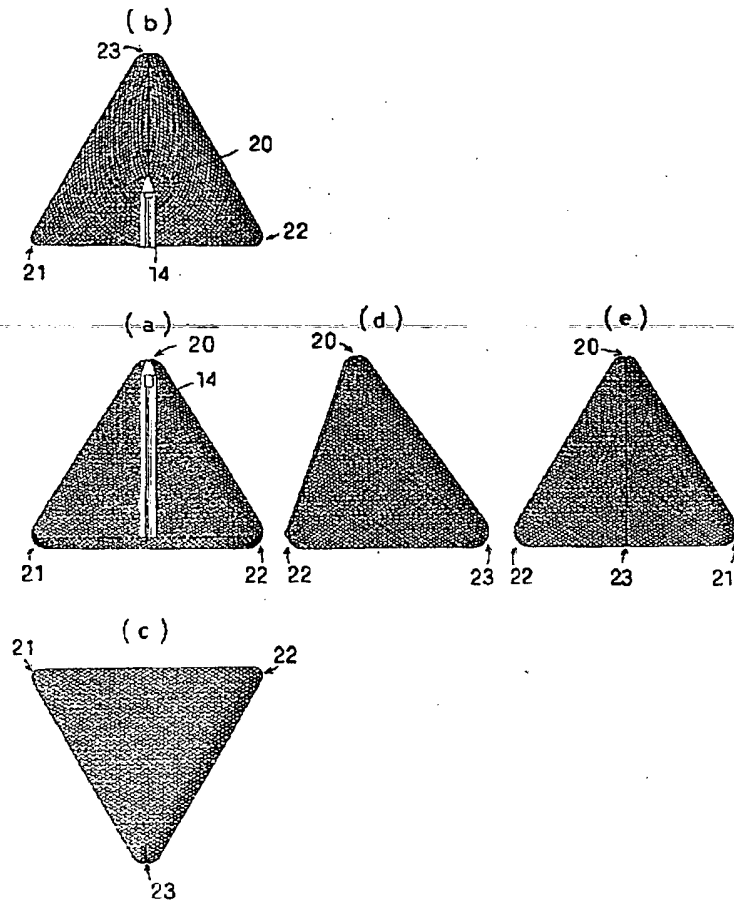
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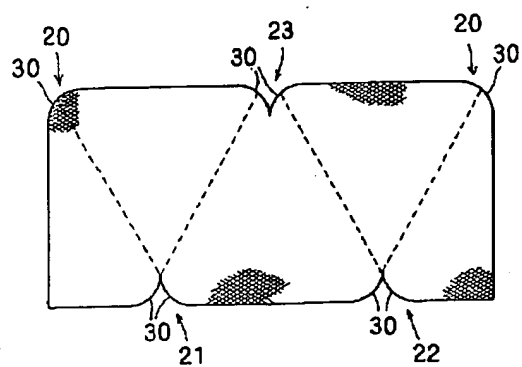
Drawing selection drawing 6



[Translation done.]

Drawing selection drawing 7

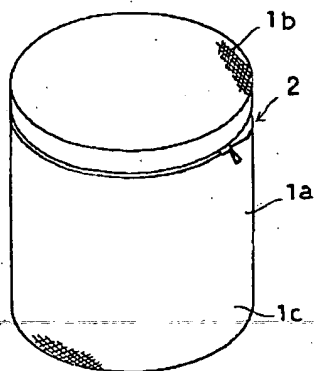
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[Translation done.]

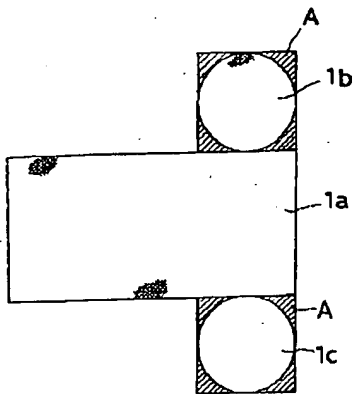
Drawing selection drawing 8



[Translation done.]



Drawing selection drawing 9



[Translation done.]

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